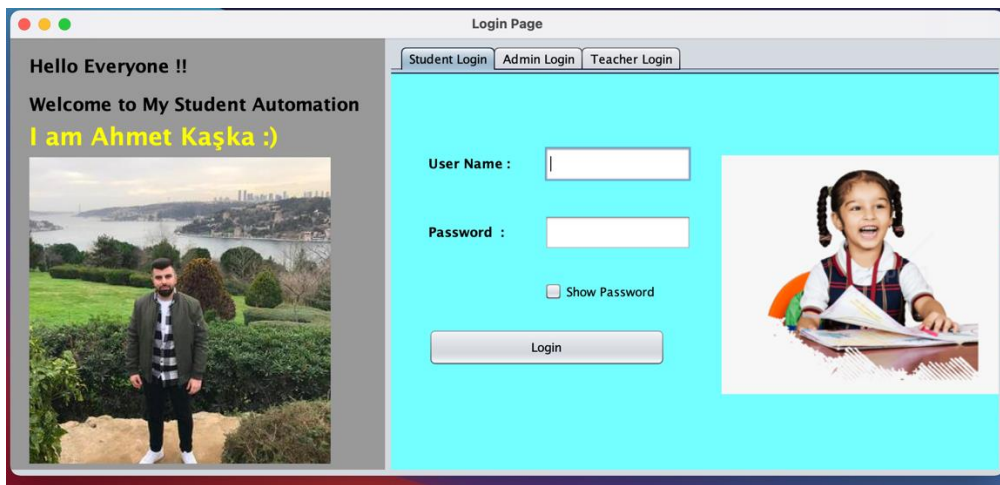


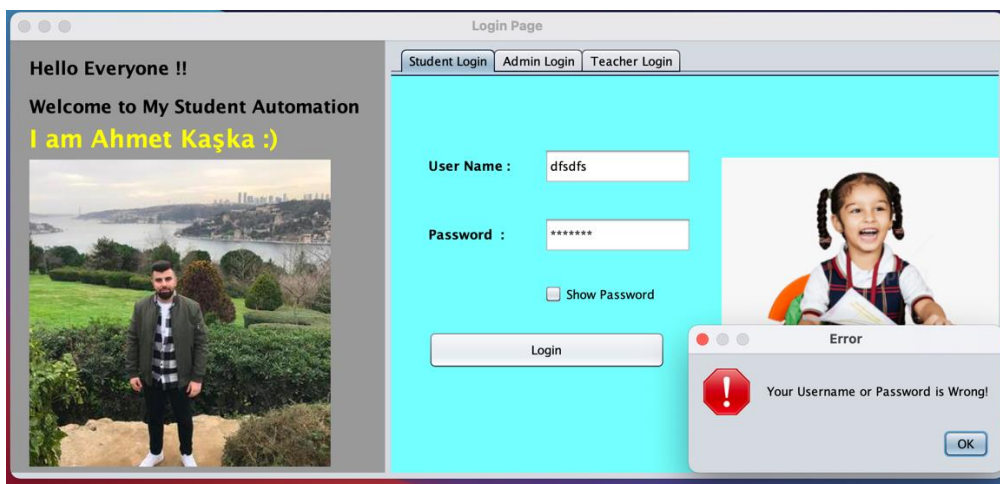
Student Automation

I implemented a student automation project in Java. I defined classes such as person, student, teacher, admin, course. I reduced code duplication by establishing an inheritance relationship between these classes. I grasped the basics of object-oriented programming in this project. I used encapsulation, inheritance, overriding methods. I learned to design interfaces with Swing. I used database MySql Workbench. The information of the created objects is stored in the database.

- Student Panels.



- If password or user name is wrong.



- Show password in student login page.

Login Page

Student Login Admin Login Teacher Login

Hello Everyone !!

Welcome to My Student Automation

I am Ahmet Kaşka :)

User Name : Ahmet

Password : ahmetkaska

☒ Show Password

Login

- We can access the student's personal information, course schedule and grade information through the Student Panel.

- Student Panel -

Welcome to Dear Student

Student Information

Syllabus

Note Information

"Hayatta en hakiki mürşit ilimdir."

Information of AHMET KASKA

Age	:	24
Address	:	Sultangazi
Telephone	:	0547 968 ** **
Number	:	1821221026
Department	:	Computer Engeeniring

- Syllabus



Welcome to Dear Student

Student Information

Syllabus

Note Information

- Student Panel -

“Hayatta en hakiki mürşit ilimdir.”




	Monday	Tuesday	Wednesday	Thursday	Friday
Computer P...		+			
Introductio...	+				
Java Progra...			+		
Python Prog...				+	
C Program...	+				
Database M...		+			
Computer N...					+

- Note Informations



Welcome to Dear Student

Student Information

Syllabus

Note Information

- Student Panel -

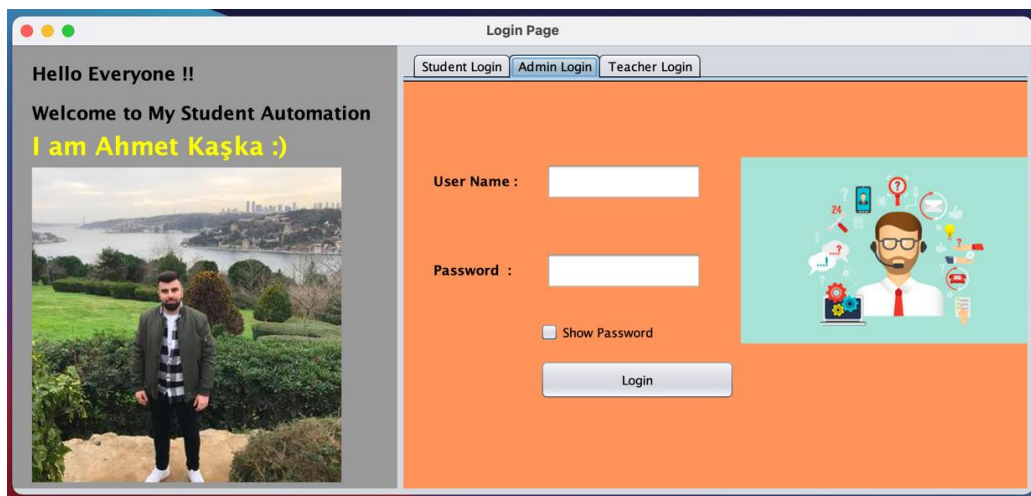
“Hayatta en hakiki mürşit ilimdir.”



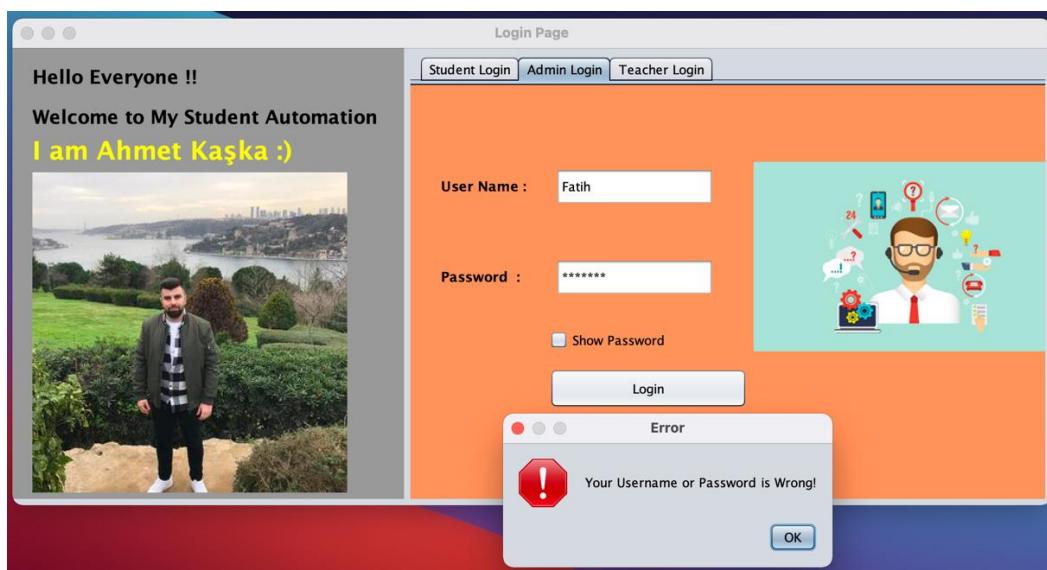

Grade Informations of AHMET KASKA

Course Tittle	Midterm	Final	Letter Grade
Computer Program...	70	50	DD
Introduction Comput...	60	65	CC
Introduction Comput...	20	20	FF
Java Programming	90	100	AA
Python Programming	82	80	BA
C Programming	50	55	DD
Database Managem...	62	55	DD
Computer Network	54	45	FF

- Admin Panels



- If password or username of admin is wrong



- Show admin's password

Login Page

Student Login Admin Login Teacher Login

Hello Everyone !!

Welcome to My Student Automation

I am Ahmet Kaşka :)

User Name : Fatih

Password : imparator

☒ Show Password

Login

- There is admin information in the Admin Panel. There are student, teacher and course creation processes. (Classes belonging to student and teacher objects have inherited some properties from the Person class.) The information of the objects created through these processes is stored in the database.

Admin Panel

Hayatta en hakiki mürşit ilimdir.

Mustafa Kemal Atatürk

Portrait of Mustafa Kemal Atatürk

Welcome to Dear Admin

ADD TEACHER

ADD STUDENT

ADD COURSE

- Admin Informations -

Name :	Fatih	Surname :	Terim
Password :	imparator	Age :	60
Address :	Fulya	Telephone :	0536 1905 19 05
Department :	Computer Science	Status :	Manager

- Creat Teacher

Create Teacher Panel

Name : Surname :

Password : Age :

Address : Telephone :

Department : Status :

Id	Name	Surname	Password	Age	Address	Telephone...	Department	Status
1	Ali	Nizam	alinizam	46	Beyoglu	0537 968...	Computer ...	Doctor
2	Shaban	Shaamud	sabanhoca	40	Sultangazi	0536 687...	Computer ...	Professor
4	Kadir	Aram	karam36	40	Bagcilar	0536 336...	Computer ...	Research ...
5	Zeki	Kus	zekikus	30	Bayrampasa	0544 786...	Computer ...	Research ...
6	Samet	Kaya	kayasamet	35	GOP	0536 123...	Computer ...	Research ...

- If there are text fields left blank, it gives a warning message.

Create Teacher Panel

Name : Surname :

Password : Age :

Address : Telephone :

Department : Status :

Id	Name	Surname	Password	Age	Address	Telephone...	Department	Status
1	Ali	Nizam	alinizam	46	Beyoglu	0537 968...	Computer ...	Doctor
2	Shaban	Shaamud	sabanhoca	40	Sultangazi	0536 687...	Computer ...	Professor
4	Kadir	Aram	karam36	40	Bagcilar	0536 336...	Computer ...	Research ...
5	Zeki	Kus	zekikus	30	Bayrampasa	0544 786...	Computer ...	Research ...
6	Samet	Kaya	kayasamet	35	GOP	0536 123...	Computer ...	Research ...

Warning

Please Fill in the All Gaps!!

OK

- A new teacher object is created by filling in the text fields, and the information that a new record has been added to the database of the created teacher object's information is displayed.

Create Teacher Panel

Name : Surname :

Password : Age :

Address : Telephone :

Department : Status :

Id	Name	Surname	Password	Age	Address	Telephone...	Department	Status
1	Ali	Nizam	alinizam	46	Beyoglu	0537 968...	Computer ...	Doctor
2	Shaban	Shaamud	sabanhoca	40				Professor
4	Kadir	Aram	karam36	40				Research ...
5	Zeki	Kus	zekikus	30				Research ...
6	Samet	Kaya	kayasamet	35				Research ...
11	Ahmet	Ak	ahmetak	40				Doctor

Message

Registration successfully added 🙌

- With the Show teacher button, the teacher records drawn from the database are displayed.

Create Teacher Panel

Name : Surname :

Password : Age :

Address : Telephone :

Department : Status :

Id	Name	Surname	Password	Age	Address	Telephone...	Department	Status
1	Ali	Nizam	alinizam	46	Beyoglu	0537 968...	Computer ...	Doctor
2	Shaban	Shaamud	sabanhoca	40	Sultangazi	0536 687...	Computer ...	Professor
4	Kadir	Aram	karam36	40	Bagcilar	0536 336...	Computer ...	Research ...
5	Zeki	Kus	zekikus	30	Bayrampasa	0544 786...	Computer ...	Research ...
6	Samet	Kaya	kayasamet	35	GOP	0536 123...	Computer ...	Research ...
11	Ahmet	Ak	ahmetak	40	GOP	0536 666...	Computer ...	Doctor
12	Hakan	Aras	aras	30	Florya	0546 768...	Computer ...	Doctor

- Creat Student

- Create Student Panel -

Name : Surname :

Password : Age :

Address : Telephone : Create Student

Student Number : Department : Show Students

id_students	name	surname	password	age	address	telephone	student_nu...	department
1000	Ahmet	Kaska	ahmetkaska	24	Sultangazi	0547 968...	1821221...	Computer ...
1001	Ibrahim	Cakmak	ibocakmak	25	Bagcilar	0558 558...	1821221...	Computer ...
1002	Muhittin	Bas	basmu	23	Esenler	0547 669...	1821221...	Computer ...
1003	Yunus Emre	Adas	yunusadas	25	Bagcilar	0534 447...	1821221...	Computer ...
1004	Huseyin	Kalin	kalinhuseyin	23	Bahcelievler	0532 278...	1821221...	Computer ...

- If there are text fields left blank, it gives a warning message.

- Create Student Panel -

Name : Surname :

Password : Age :

Address : Telephone : Create Student

Student Number : Department : Show Students

id_students	name	surname	password	age	address	telephone	student_nu...	department
1000	Ahmet	Kaska	ahmetkaska	24	Sultangazi	0547 968...	1821221...	Computer ...
1001	Ibrahim	Cakmak	ibocakmak	25	Bagcilar	0558 558...	1821221...	Computer ...
1002	Muhittin	Bas	basmu	23	Esenler	0547 669...	1821221...	Computer ...
1003	Yunus Emre	Adas	yunusadas	25	Bagcilar	0534 447...	1821221...	Computer ...
1004	Huseyin	Kalin	kalinhuseyin	23	Bahcelievler	0532 278...	1821221...	Computer ...

Warning

Please Fill in the All Gaps!!

OK

- A new student object is created by filling in the text fields, and the information that a new record has been added to the database of the created student object's information is displayed.

- Create Student Panel -

Name : **Surname :**

Password : **Age :**

Address : **Telephone :**

Student Number : **Department :**

id_students	name	surname	password	age	address	telephone	student_nu...	department
1000	Ahmet	Kaska	ahmetkaska	24	Sultangazi	0547 968...	1821221...	Computer ...
1001	Ibrahim	Cakmak	ibocakmak	25				Computer ...
1002	Muhittin	Bas	basmuhittin	23				Computer ...
1003	Yunus Emre	Adas	yunusadas	25				Computer ...
1004	Huseyin	Kalin	kalinhuseyin	23				Computer ...

Message

Registration successfully added 🙌

- With the Show student button, the teacher records drawn from the database are displayed.

- Create Student Panel -

Name : **Surname :**

Password : **Age :**

Address : **Telephone :**

Student Number : **Department :**

id_students	name	surname	password	age	address	telephone	student_nu...	department
1000	Ahmet	Kaska	ahmetkaska	24	Sultangazi	0547 968...	1821221...	Computer ...
1001	Ibrahim	Cakmak	ibocakmak	25	Bagcilar	0558 558...	1821221...	Computer ...
1002	Muhittin	Bas	basmuhittin	23	Esenler	0547 669...	1821221...	Computer ...
1003	Yunus Emre	Adas	yunusadas	25	Bagcilar	0534 447...	1821221...	Computer ...
1004	Huseyin	Kalin	kalinhuseyin	23	Bahcelievler	0532 278...	1821221...	Computer ...
1005	Fatih	Kaska	kaskafatih	20	Sultangazi	0536 336...	1821221...	Computer ...

- Creat Course

Course Tittle :

Pass Grade :

Create Course

Course Credits :

Show Courses

Course ID	Course Tittle	Pass Grade	Course Credits
1	Computer Program...	50	6
2	Introduction Compu...	55	6
3	Java Programming	55	4
4	Python Programming	55	4
5	C Programming	40	6

- If there are text fields left blank, it gives a warning message.

Course Tittle :

Pass Grade :


Create Course

Course Credits :

Show Courses

Course ID	Course Tittle	Pass
1	Computer Program...	50
2	Introduction Compu...	55
3	Java Programming	55
4	Python Programming	55
5	C Programming	40

Warning



Please Fill in the All Gaps!!

OK

- A new course object is created by filling in the text fields, and the information that a new record has been added to the database of the created course object's information is displayed.

The screenshot shows a window titled "- Create Course Panel -" with a pink background. It contains three text input fields: "Course Title :" with the value "Numerical Methods", "Pass Grade :" with the value "60", and "Course Credits :" with the value "3". To the right of these fields are two buttons: "Create Course" and "Show Courses". Below the input fields is a table with the following data:

Course ID	Course Title	Pass Grade	Course Credits
3	Java Programming	55	4
4	Python Programming	55	4
5	C Progra		
6	Database		
7	Compute		

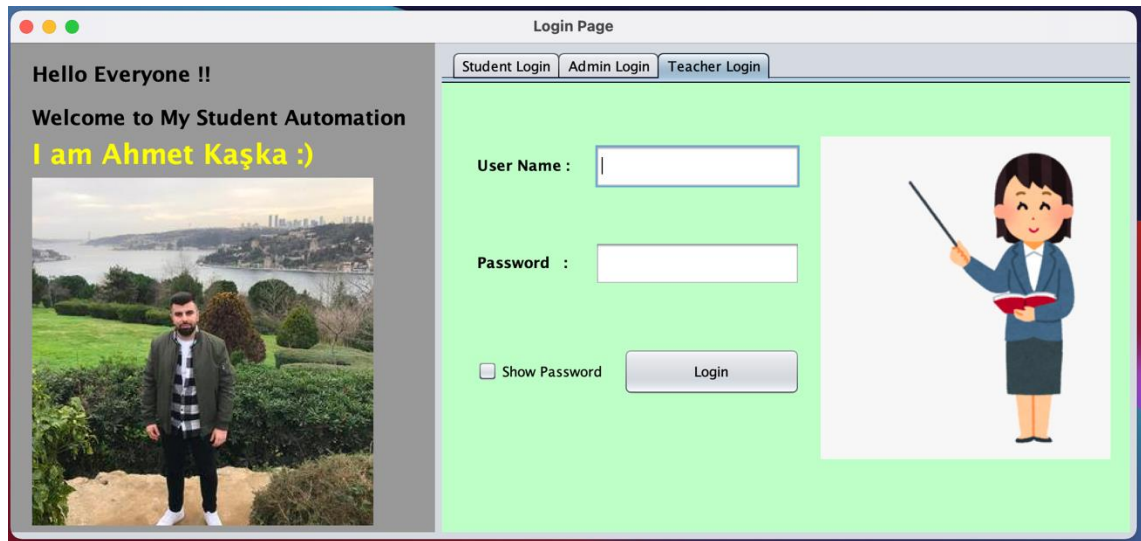
A modal message box is displayed in the center of the window. It has a title bar "Message" and a blue information icon. The text inside says "Registration successfully added 🙌". There is an "OK" button at the bottom right of the message box.

- With the Show course button, the teacher records drawn from the database are displayed.

The screenshot shows the same window titled "- Create Course Panel -". The input fields are now empty. The "Show Courses" button is highlighted. The table below now displays a list of courses from the database:

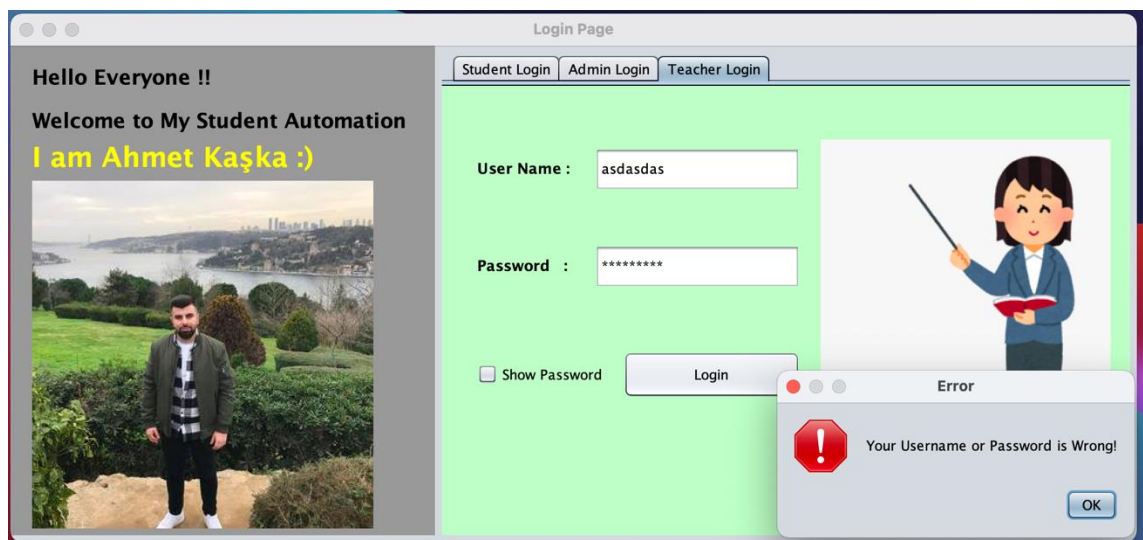
Course ID	Course Title	Pass Grade	Course Credits
4	Python Programming	55	4
5	C Programming	40	6
6	Database Manage...	50	6
7	Computer Network	50	6
8	Numerical Methods	60	3

- Teacher Panels



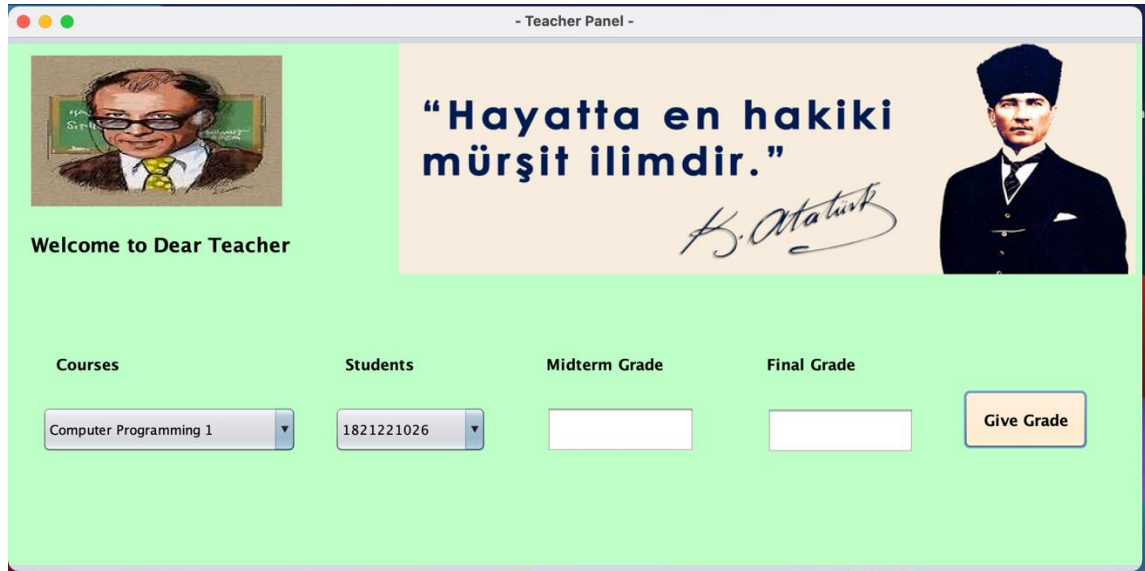
The screenshot shows a web application window titled "Login Page". On the left, there is a sidebar with a greeting: "Hello Everyone !!", "Welcome to My Student Automation", and "I am Ahmet Kaşka :)" followed by a photo of a man. The main area has three tabs: "Student Login", "Admin Login", and "Teacher Login" (which is selected). Below the tabs are input fields for "User Name" and "Password", a "Show Password" checkbox, and a "Login" button. To the right of the input fields is a cartoon illustration of a female teacher holding a book and a pointer.

- If password or username of teacher is wrong



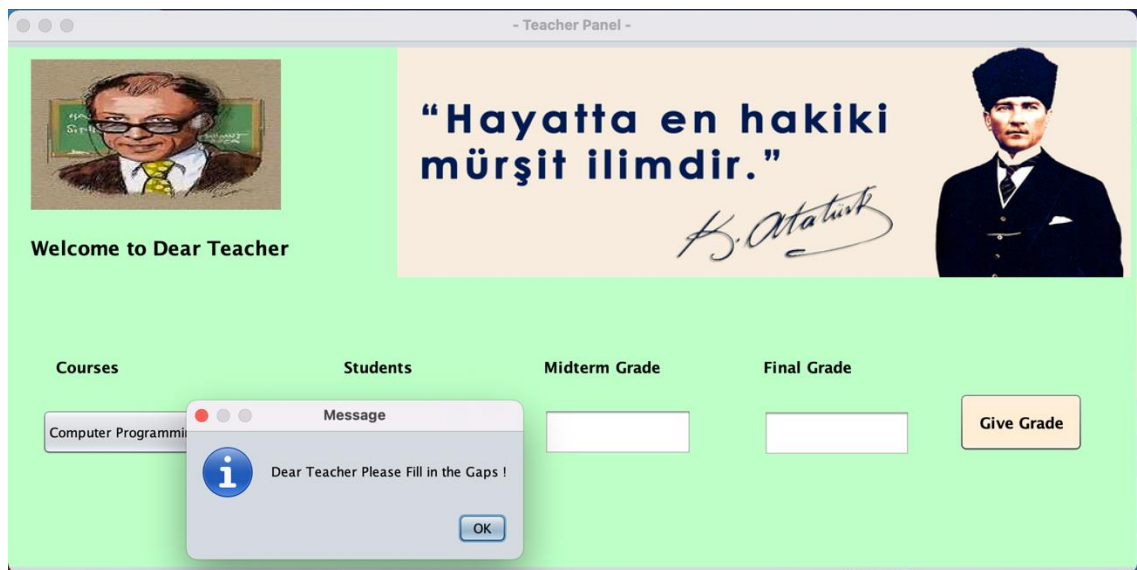
This screenshot shows the same "Login Page" as before, but with the "User Name" field filled with "asdasdas" and the "Password" field filled with "*****". The "Login" button is now disabled. An error dialog box is open in the foreground, titled "Error", with a red exclamation mark icon and the message "Your Username or Password is Wrong!". The dialog has an "OK" button.

- The teacher whose entry is successful in the teacher panel enters the midterm and final grades of the students according to the courses they have taken. The average is calculated together with the percentage effects of these grades and the letter grade is determined by the letter grade calculation function.



The screenshot shows a web application window titled "- Teacher Panel -". On the left, there is a portrait of a man with glasses and a yellow tie, with the text "Welcome to Dear Teacher" below it. On the right, there is a quote in Turkish: "Hayatta en hakiki mürşit ilimdir." followed by a signature and a portrait of Mustafa Kemal Atatürk. Below these elements, there is a form with four columns: "Courses", "Students", "Midterm Grade", and "Final Grade". The "Courses" column has a dropdown menu showing "Computer Programming 1". The "Students" column has a dropdown menu showing "1821221026". The "Midterm Grade" and "Final Grade" columns have empty text input fields. To the right of these fields is a button labeled "Give Grade".

- If there are text fields left blank, it gives a warning message.



This screenshot shows the same Teacher Panel interface as the previous one, but with a warning message dialog box open in the foreground. The dialog box has a title bar that says "Message" and contains an information icon (a blue circle with a white 'i') and the text "Dear Teacher Please Fill in the Gaps !". There is an "OK" button at the bottom right of the dialog box. The background interface is partially obscured by the dialog box.

- Database Testing

kullaniciilar

SchoolAutomation

Tables

admin

courses

grades

Columns

student_number

course_title

midterm

final

letter

Indexes

Foreign Keys

Triggers

students

teachers

57

Select c.course_title, g.midterm, g.final, g.letter From SchoolAutomation.students s

58

Join SchoolAutomation.grades g On s.student_number = g.student_number

59

Join SchoolAutomation.courses c On g.course_title = c.course_title

60

Where s.student_number = 1821221026

61

62

160%

1:11

3 errors found

Result Grid

Filter Rows: Q Search

Export

course_title	midterm	final	letter
Computer Programming 1	70	50	DD
Introduction Computer Engineering	60	65	CC
Introduction Computer Engineering	20	20	FF
Java Programming	90	100	AA
Python Programming	82	80	BA
C Programming	50	55	DD
Database Management	62	55	DD
Computer Network	54	45	FF